

WHAT IS CLAIMED IS:

1. An information processing system comprising:

acquisition means for acquiring a first service
object from a first service providing device and a
5 second service object from a second service providing
device via a network in a user device;

setting means for setting user information in the
second service object acquired by said acquisition means
in the user device, and causing the second service
10 object to hold the user information;

transfer means for transferring the second service
object which holds the user information to the first
service providing device; and

service use means for providing a service of the
15 second service providing device to the first service
providing device by causing the second service object
transferred to the first service providing device to use
the user information.

2. The system according to claim 1, wherein the user
20 information registered in the second service object
transferred by said transfer means cannot be referred to
by the first service providing device.

3. The system according to claim 1, wherein said
acquisition means comprises at least one server arranged
25 on the network to register service objects provided by a
plurality of service providing devices, and searches for
and acquires a desired service object from the server.

00000036.070001

4. The system according to claim 1, wherein
the system further comprises ID acquisition means
for acquiring a session ID in the user device by
communicating with the second service providing device
5 via the second service object acquired by said
acquisition means,

said transfer means transfers to the first service
providing device the session ID and the second service
object which holds the user information, and

10 said service use means provides the service of the
second service providing device to the first service
providing device by causing the second service object
transferred to the first service providing device to use
the user information.

15 5. The system according to claim 1, wherein the
second service object encrypts and holds the set user
information.

6. An information processing apparatus comprising:
acquisition means for acquiring via a network a
20 first service object from a first service providing
device and a second service object from a second service
providing device;

setting means for setting and holding user
information in the second service object acquired by
25 said acquisition means; and

transfer means for transferring the second service
object which holds the user information to the first

service providing device.

7. The apparatus according to claim 6, wherein said acquisition means acquires the first service object from the first service providing device via the network, and
5 when the first service object requires a service of the second service providing device, acquires the second service object from the second service providing device.

8. The apparatus according to claim 6, further comprising service use means for receiving a service of
10 the first service providing device via the first service object.

9. The apparatus according to claim 6, wherein said acquisition means accesses a server arranged on the network to register service objects provided by a
15 plurality of service providing devices, and searches for and acquires a desired service object from the server.

10. The apparatus according to claim 6, wherein the system further comprises communication means for communicating with the
20 second service providing device via the second service object acquired by said acquisition means, and

ID acquisition means for acquiring via said communication means an ID for performing a session with the second service providing device, and
25 said transfer means transfers to the first service providing device the ID and the second service object which holds the user information.

11. An information processing apparatus comprising:
service providing means for providing a
predetermined service to a user device on a network via
a service object;

5 reception means for receiving a service object of
another service providing device from the user device,
the serving object of said another service providing
device containing information about a user; and

use means for using a service of said another
10 service providing device by using the service object
received by said reception means and the information
about the user that is contained in the service object.

12. The apparatus according to claim 11, wherein
the apparatus further comprises means for
15 receiving a session ID acquired by the user device from
said another service providing device, and

said use means uses the service of said another
service providing device by using the service object
received by said reception means, the information about
20 the user that is contained in the service object, and
the received session ID.

13. An information processing apparatus comprising:
reception means for receiving a service request;
and

25 transmission means for transmitting a proxy object
for performing a service to a request source of the
request in accordance with the service request received

by said reception means,

wherein the proxy object has holding means for holding set information.

14. The apparatus according to claim 13, wherein the

5 holding means encrypts and holds the set information.

15. A method of controlling an information processing system, comprising:

the acquisition step of acquiring a first service object from a first service providing device and a
10 second service object from a second service providing device via a network in a user device;

the setting step of setting user information in the second service object acquired in the acquisition step in the user device, and causing the second service
15 object to hold the user information;

the transfer step of transferring the second service object which holds the user information to the first service providing device; and

the service use step of providing a service of the
20 second service providing device to the first service providing device by causing the second service object transferred to the first service providing device to use the user information.

16. The method according to claim 15, wherein the user

25 information registered in the second service object transferred in the transfer step cannot be referred by the first service providing device.

106020-9300060
390003-070901

17. The method according to claim 15, wherein in the acquisition step, a desired service object is searched for and acquired from a server arranged on the network to register service objects provided by a plurality of service providing devices.

18. The method according to claim 15, wherein the method further comprises the ID acquisition step of acquiring a session ID in the user device by communicating with the second service providing device via the second service object acquired in the acquisition step,

in the transfer step, the session ID and the second service object which holds the user information are transferred to the first service providing device, and

in the service use step, the service of the second service providing device is provided to the first service providing device by causing the second service object transferred to the first service providing device to use the user information and the session ID.

19. The method according to claim 15, wherein the second service object encrypts and holds the set user information.

20. An information processing method comprising: the acquisition step of acquiring via a network a first service object from a first service providing device and a second service object from a second service

object acquired in the acquisition step, and
the ID acquisition step of acquiring via the
communication step an ID for performing a session with
the second service providing device, and

5 in the transfer step, the ID and the second
service object which holds the user information are
transferred to the first service providing device.

25. An information processing method comprising:

the service providing step of providing a
10 predetermined service to a user device on a network via
a service object;

the reception step of receiving a service object
of another service providing device from the user device,
the serving object of said another service providing
15 device containing information about a user; and

the use step of using a service of said another
service providing device by using the service object
received in the reception step and the information about
the user that is contained in the service object.

20 26. The method according to claim 25, wherein
the method further comprises the step of receiving
a session ID acquired by the user device from said
another service providing device, and

in the use step, the service of said another
25 service providing device is used by using the service
object received in the reception step, the information
about the user that is contained in the service object,

and the received session ID.

27. An information processing method comprising:

the reception step of receiving a service request;

and

5 the transmission step of transmitting a proxy
object for performing a service to a request source of
the request in accordance with the service request
received in the reception step,

wherein the proxy object has the holding step of
10 holding set information.

28. The method according to claim 27, wherein in the
holding step, the set information is encrypted and held.

29. A computer-readable memory which stores a control
program executable by a computer, wherein the computer
15 executes the control program to realize information
processing comprising:

the acquisition step of acquiring a first service
object from a first service providing device and a
second service object from a second service providing
20 device via a network;

the setting step of setting and holding user
information in the second service object acquired in the
acquisition step; and

the transfer step of transferring the second
25 service object which holds the user information to the
first service providing device.

30. A computer-readable memory which stores a control

program executable by a computer, wherein the computer executes the control program to realize information processing comprising:

- the service providing step of providing a
- 5 predetermined service to a user device on a network via a service object;

- the reception step of receiving a service object of another service providing device from the user device, the serving object of said another service providing
- 10 device containing information about a user; and

the use step of using a service of said another service providing device by using the service object received in the reception step and the information about the user that is contained in the service object.